H4954-5002. D5700-5713. 507.

Next Dr. = 5700 Next Hy = 4954 Boys The stand with the amount of the winds and respect # 5000 D 5703

Dredge No. 4754 Date, Ag 22, 1911
Sdg. Mch. I were Reel L. Shot Ibs.
Turns 134 Cor'n - Depth 134 fms.
Sdg. Cup Simplee Amt. Bot'm Sample
Character of C.
(Make) (Instr.
Thermom. No. None use Cor'n Stem.
Bottom Reading Cor'd Temp
Temp. Surf. { Air
Time
Density: Surf. fms.
Wind: Direction Force
Baromet. State of State of Sea
Weather
Divention and Horse Surface
of Current
Bottom
Tide
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7 7 1 1
A STATE OF THE PARTY OF THE PAR
General Locality the 10 men co
Position and Il. H. W. W. H. E. Heatres tt.
Position angel Id. H. T. Wille, Gleatras It.
Position angel The H. T. W. H. E. Gleating H.
Position America II. H. IV Willer, Gleatras Lt.  Chart used: No. 28 5532 Edin  Drift: Direction Distance
Position Angel Id. H. T. W. W. G. Gleating M. Ohart used: No. 88 5532 Ed'n  Drift: Direction Distance  Depth of Haul
Position America II. H. IV Willer, Gleatras Lt.  Chart used: No. 28 5532 Edin  Drift: Direction Distance
Position Angel Id. H. T. W. W. G. Gleating M. Ohart used: No. 88 5532 Ed'n  Drift: Direction Distance  Depth of Haul
Position Angel Id. H. T. W. W. G. Gleating M. Ohart used: No. 88 5532 Ed'n  Drift: Direction Distance  Depth of Haul
Position Angel Id. H. T. W. W. G. Gleating M. Ohart used: No. 88 5532 Ed'n  Drift: Direction Distance  Depth of Haul
Position Angels Ide H. The Wife of Steating Mr.  Ohare used: No. 28 5532 Ed'n  Distance  Depth of Haul  Apparatus and Rig used  Time towing h. m.
Position Angel Id. H. N. W. W. S. Steathand. Chart used: No. 68 533 Ed'n Drift: Direction Distance Depth of Haul Apparatus and Rig used
Position Angels Ide H. The Wife of Steating Mr.  Ohare used: No. 28 5532 Ed'n  Distance  Depth of Haul  Apparatus and Rig used  Time towing h. m.
Position Angels Ide H. The Wife of Steating Mr.  Ohare used: No. 28 5532 Ed'n  Distance  Depth of Haul  Apparatus and Rig used  Time towing h. m.
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Position Angels Ide H. The Wife of Steating Mr.  Ohare used: No. 28 5532 Ed'n  Distance  Depth of Haul  Apparatus and Rig used  Time towing h. m.

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Bredge No. 495	J Date, 2	
Sdg. Mch. Luces	Reel	Z Shot & Ibs.
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sag. cup Six	her Amt. I	mple
Character of 24	75	
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Thermom.	u used co	$r'n \begin{cases} Instr. \\ Stem. \end{cases}$
Bottom Reading		Cor'd Temp.
	Time	(
Temp. Surf.		Air
according to the local part and	Time	2 March 10 March 20 M
Density: Surf.		fms.
Wind: Direction		Force
Baromet.	Amt. of Clouds	State of Sea
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Weather		
of Current	rface	
Bot	tom	
Tide		
and the second		
General Locality		
		ALICE CONTRACTOR CONTR
Position		
Chart used: No.	Ed'	n
Drift: Direction		Distance
		A CONTROL INC.
Depth of Haul	***************************************	
Apparatus and Rig used		
	qu	e towinghm.
	I Line	county
Remarks:		

Deck Officer Mr. Stanley Recorder JTHERIT 1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.						
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Dredge No. 5700 Date, Jan. 30 ,19/2
Sdo Meh Lang Reel Lucas Shot hour Ubs.
Turns - Cor'n Depth 2 / aft fms.
Sag. Cup Ligabel Amt. Both glass glass (Leand) Character of gy. S.  (Marke 2) 9.  (Instr.
Character of Bottom gy. C.
(Make 21-2) (Instr.
Thermon. \{Make \mathbb{I} \mathcal{J}_+  \text{Cor'n} \\ \{Stem.} \end{array}
Bottom Reading 53.2° Cor'd Temp. 53.13
( 3-20 Time 10:15 ) ( 5-60
Temp. Surf. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Density: Surf. fms.  Wind: Direction M.M. Off. Force 2  Baromet, 32,44 Clouds 1 Sea 2  Weather Acc.
Wind: Direction M.A. OV. Force 2
Baromet 30,44 Amt. of State of
Weather See
( Sunfage
Direction and Force Surface Of Ourrent.  Bottom
And a second sec
Tide
General Locality Law Francisco Bay
Position
Chart used: No Ed'n
Chart used: No. Bd'n  Drift: Direction Distance
Apparatus and Rigused 9' agasting 150 senters  3 glass floats, Must bag, I took weight be wery weights,  Time towing 1. 16 m.
I gless floats, much long, I toil weight
& wind weights,
Time towing h. 14 m.
Remarks: Bridle carried away, net tours
Frank   Market   Mark
A. A. Constanting and the constant and t
Deck Officer Mr. Chancey Recorder Con De Longos

	SOU	NDI	VG V	VIRE	2.		I	DREDGING CABLE.					
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Dredge No.	Date, Dave	.30 ,19/2
Sag. Mch. Lead in	Movd	- Shot / Lead 1 1bs.
Turns Cor'n		th 13 fms.
Sdg. Cup	Amt. Bot'm Sample	
Character of Bottom		
Thermom.	Cor'n $Ste$	
Bottom Reading	Cor	'd Temp.
Manua 9446 5 1 1	Time / 126	1 (590
50.83	Time 1.43	Air   600
Density: Surf.		fms.
Wind: Direction	Force	2 - 3
Baromet. 30:37 6	Int. of 3	State of S
Weather be		
n ewiner		
Direction and Force Surface of Current.		
Tide		
Trae		
General Locality		
Position	1	
Chart used: No.	Ed'n	
Drift: Direction		istance
Depth of Haul Bo	tton	
Apparatus and Rig used	9 aga	2die
Pinter: 3 da	Month	2 1. Domidt
1 -1 :	II mud	bay, Janger
	Time towing	n. 17 m.
Remarks: net w		y toon.
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		***************************************
an Amy Cole	uly.	11 w 6 . 00
Deck Officer Miles	ney Recorder 1	11-1023

Dredge No Date,
Sdo. Meh Reel Lead ths.
Turns Depth 13 fms.
Sag. Cup Amt. Bot'm Sample
Character of Boltom
Thermon. $Make$ $Cor'n$
Thermom. $\{N_0, \{Stem.\}\}$
Bottom Reading Cor'd Temp.
Temp. Surf. \ \( \frac{\tau}{\tau} \)   Time \( \frac{\tau}{\tau} \)   Air \\ \( \frac{\tau}{\tau} \)   \( \frac{\tau}{\ta
Density: Surf
Wind: Direction n. n. w. Force /- 12
Baromet. 30:32 Amt. of / State of Sea
Weather & State St
Direction and Force $Surface$ of Current. $Sutface$ $Solution$
Tide
General Locality
Position
Chart used: No. Ed'n
Drift: Direction Distance
Depth of Haul Ostow
Apparatus and Rig used
3 glass floats:
I tois meight 1
Time towing h. / m.
Remarks:

. Deck Officer Mr. Claren Recorder ....

11-1023

SOUNDING WIRE.	2224.1	DF	EDGIN	G CA	BLE.
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Dredge J. No. 5703 Date. Sag. Meh. Tinh Sdg. Cup Character of The Bottom Thermom.  $\begin{cases} Make \\ No. \end{cases}$ Cor'd Temp. Bottom Reading. Air Wind: Direction 30.34 Direction and Force of Current. General Locality . ... k. P.T. Annel Id. & 450 W Time towing bidie . set for you Deck Officer Recorder

11-1023

SOUNDING WIRE.	723411	DREDGING CABLE.				
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Dredge No. 570 Date, Hiptory No. 570 Date, Sta Meh. Reel 7/ Heart Leadt Us. Towns Corn Depth 7 My Sag. Cup Amt. Bot'm to Sample True Sample True Sample True Sample True
Sale, Meh. Reel / Strott Lead} ths.
THENS Car's Depth fms.
Sag. Cup Amt. Bot'm +
Bottom 12 v. City C.
(Instr.
Thermom. \{\text{Nake} \ \text{Vo.} \
Bottom Reading 53° Cor'd Temp. 52.93
Time Diversity of the
Temp. Surf. (3° Time 7:33 \$\frac{1}{3}\text{.fir}
Density: Surf. fms.
Wind: Direction / Force 2 - 2
Density: Surf.  Wind: Direction  Amt. of State of Sea.
Weather
(Surface
Direction and Force $\left\{ egin{array}{ll} Surface & & & & \\ & of Gurrent. & & & \\ & Bottom & & & \end{array}  ight.$
Tide
Sa Francisco Par
General Locality
General Locality Same
Position (1)
Position Chart used: No. 4 Ed'n
Position Chart used: No. C. Ed'n Drift: Direction Distance
Pasition Chart used: No. C. Ed'n Drift: Direction Depth of Haut
Position Chart used: No. C. Ed'n Drift: Direction Distance Depth of Haut Apparatus and Ris used
Chart used: No. C. Ed'n  Distance  Depth of Haut Sed  Apparatus and Ris used  Control of Tax Sed
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1/
1/
Time towing - h. // m.  Remarks: // disc both to
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nomarks: There better to the man of the second of the seco
Time towing - h. // m.  Remarks: // die both h
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Dredge No. 5705-	Date, F.	6.		, 19/ :-
Sdg. Meh. French John	le kel .	1	Shot - Leads	lbs.
Turns - Cor'n	~	Depth	9	fms.
Sag. Cup	Amt. Bot' Samp	m Bay	done	to Lull
10.0	74		10	7 -
Thermon.	Cor'n	{Instr.     Stem.		
Bottom Reading		Cor'd Te	етр	co. co un de sp. que des des sp. po-
Temp. Surf.	ime 9:56	}	dir	, e 20
Density: Surf.		f1	ns	
Wind: Direction L. E.		orce . J		
Baromet. 20.22 Am	t. of uds	Sto	ite of	
Weather 22				
Direction and Force Surface of Current.				
Tide				
		No.		
General Locality				
Position				
Chart used : No.	Ed'n			
Drift: Direction.		Distar	1ce	~~~
Depth of Haur bottoms				
Apparatus and Ricused & '	Paraule,	, 2 10	1.156	the second
I had in a signer	2 1 240	1.00	Tu, 1	" laure
I much stay				
	Time tou	oing	h.	5 m.
Remarks:				

Dredge 30. 5706	Date, 7	: 4.		, 19/2.
	la mola	1	Shot ( Lead)	lbs.
Turns Cor'n		Depth	2	fms.
Sd.g. Cup	Amt. Bot'n Sampl	n !r ,		20
Character of Bottom 2. 2				
Thermom. {Make	Cor'n	Instr. Stem.		
Bottom Reading		Cor'd Te	тр,	
Temp. Surf. 5-2	Time . 1:12 -	}	Air 5	·
Density: Surf.		fn	118,	
Wind: Direction & E.	Fo	rce=		
Baromet. 30,1's An	it. of 9	Sta	te of	
Weather Seg				~~^~~
Direction and Force Surface of Gurrent.				
Tide	***********			
General Locality				
V				
Position				
Chart used: No	Ed'n			
Drift: Direction		Distan	rec	
Depth of Haul Setton				
Ipparatus and Rig used 4			.4 /	
I tout and		- 4	1	/.
1.2.			,	
	Time towi	ind	7, 6	m.
D	lime tow	mg		
Remarks:				

Dredge No. 574 Dat	ie, 4.	کغ		, :	19.4
Sag. Meh. Thoust Line Si	reel		Leads		lbs.
Turns Cor'n		Depth	8		fms,
Sdg. Cup	Amt. Bot' Samp	m le sin	٠	\$P	<i>;</i>
Character of In-and	M.; .:	P. D. D.		٠.	
Thermom. $\begin{cases} Make \\ No. \end{cases}$	Cor'n	Stem.			
Bottom Reading		Cor'd	Тетр.	- Augusta	
Temp. Surf. 5.2 time		}	.1ir	۲	
Density: Surf.			fms.		
Wind: Direction L.E.		orce	/		
Baromet, 30, 14 Clouds	9	S	tate of Sea	V	
Weather .					
Direction and Force Surface of Current.					
Tide					
General Locality Land	.1.*.1				
					V - W M M I
Position					
Chart used: No	Kd'n				
Drift: Direction		Dis	tance		
Depth of Haul bottom					
Apparatus and Rigused S.	arine	2,2	alita.	22	J
150	17.		1		
1. inker, 121200	10, 98 17				
	Time to	owing		h. 8	m.
Remarks:					
<i>'</i>					

Bredge No. 5708 Date, 19/2.
Sale Meh. Kenny Lend Lend Ibs.
Turns — Cor'n - Depth 10 - fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom Sandy cours
Thermom. \\ \text{No.} \\ \text{Cor'n} \\ \text{Stem.} \\ \tex
Bottom Reading
Temp. Surf.   G.2   Time 2:3   .4ir   .5-6-6
Density: Surf. fms.
Wind: Direction & Form /-
Baromet. Col3 Clouds 10 State of Sea
Weather of
Direction and Force $Surface$ of Current.
Tide
General Locality
Position
Chart used: No. Ed'n
Drift: Direction Distance
Depth of Haul botter
Apparatus and Rigused 9 12 10 2011
2 good at it wing note, I tel
are, I see the plant of the
Time towing h. 14 2m.
Remarks: Put singlaing from

SOUNDING WIRE.	1	DREDGIN	G CABLE.
M. Down. UP M.	FMS.		
I. DOWN. UP M.		PM. Down.	
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Dreitge No. 5 /09 Date, 7 14. ,19/2
Sag. Meh. Transd Sind fandid Leads 11/1s.
Turns Cor'n - Depth 10 fms.
Sd.S. Cup Amt. Bot'm Sample
Character of Bottom. Amelon accord.
Thermon. $\begin{cases} Make & & \\ Cor'n \end{cases} \begin{cases} Instr. & \\ Stem. \end{cases}$
Bottom Reading Cor'd Temp.
Temp. Surf.   5.2° Time 3.17   Air 5.5°
Density: Surf. fms.
Wind: Direction State of
Baromet. 20.13 Ant. of 18 State of Sea.
Weather 23-
Direction and Fore Surface of Current Bottom
Tide
General Locality Lan Assurises Com
Position
Chart used: No Ed'n
Drift: Direction Distance
Depth of Haul Lotton
Apparatus and Ris used 5 Tanver 2 glans float
to many for goth, I have sony ?
1 sinker, 1 much Lag
Time towing h. 13/2-m.
Remarks:

11---1023 .

the one office of the filter
Hydrog No. 111 Date, A 14. 13 .191
Sdo. Mch. Reel J. M. Shott 2 4 lbs.
Turns Cor'n Depth ) fms.
Sag. Cup More Amt. Bot'm Sample
Character of Bottom
Thermon. {Make
Bottom Reading 54 Cor'd Temp. 53.93
Temp. Surf. Time   V' S M Air
Density: Surffms.
Wind: Direction S. & S. Force 2
Baromel. 38 10 Amt. of 10 State of S.
Weather On
Direction and Force $\begin{cases} Surface \\ of Gurrent. \end{cases}$ Bottom
Tide
General Locality
Position
Chart used: No. Ed'n
Depth of Haul Apparatus and Rigused Plankton net
Remarks: Itm persuant and
in 1:1 the work
Photo I (1 th w week)
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// tillow wed.

Deck Officer

-
Hydrog No. 4 967 Date, 19/
Sag. Mch. J. N . Reel
Turns Cor'n Depth '= fms.
Sdg, Cup Amt. Bot'm Sample
Character of Bottom
Thermon. {\begin{aligned} Make & \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Bottom Reading Cor'd Temp. 53.93
Temp. Surf. Time / Air
Density: Surf. fms.
Wind: Direction S. C. S. Force 2
Baromet. 36.4.1 Amt. of 10 State of Sea
Weather
440 (04) (04)
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Remarks:

11-1023

Deck Officer 11.

SOUNDING WIRE. FMS.		DREDGING CABLE.		
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Hydrog No. Date, 19
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Turns Cor'n Depth fms.
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Thermon. \\ \( \langle \frac{\sqrt{\gamma}}{\gamma} \) \( \langle \frac{\gamma}{\gamma} \gamma \frac{\gamma}{\gamma} \gamma  \qq \qua
Bottom Reading 54° Cor'd Temp. 53.93
Temp. Surf. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Density: Surf fms
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Baromet. 30,4/ Amt. of 10 State of S
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apparatus and Rigused Planking DL
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Dredge No. 19 16 Date, 19/3
Salg. Meh Rech Rech Shott 2 Us.
Turns Cor'n Depth / ) fms.
Sdg, Cup
Thermon. \\\ \( \text{Nake} \) \( \text{No.} \) \( \text{Cor'n} \\ \\ \\ \text{Stem.} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
Rottom Reading 55.8° Cor'd Temp. 55.73
Temp. Surf. Time Sing Sir
Density: Surf. 77 . fms
Wind: Direction Variable Horce
Baromet, 30, 40 Amt. of 10 State of S.
Weather
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General Locality San Francisco Bay
- Short U. 12 14 " E, jil center
Position ( )
Chart used: No. CS ST32 Ed'n
Drift: Direction Anelle Distance
Depth of Haut Inter /2 211
Apparatus and Rigused V. Lunchton
Time towinghm.
Remarks: Water Con with the Site.
Time; tried agric at 1.31.40
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Recorder\_

11-1023

Deck Officer

Breating No. 19
Sdg. Mch. Total Red Shot Us.
Turns Cor'n Depth fms.
Sd.c. Cup Amt. Bot'm Sample
Character of 77 Bottom
(Make Instr.
Thermom. \ No. 69479 Cor'n \ Stem.
Bottom Reading 53.9 Cor'd Temp. 53.83
Temp. Surf. Time 7:20:11
53.83 Time
Density: Surf. fms.
Wind: Direction Porce 3-2
Baromet. 30.39 Amt. of State of Sea
Weather
Direction and Force Surface Surface Bottom
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General Locality - 12
The A. Miller
Position M. T. S.E.
Chart used: No. C Ed'n
Drift: Direction and Distance
Depth of Haut Tathe
Apparatus and Rigused ( Linkley Post
Remarks: Watrboth in m.

Hydrog No. 497/ Date, February 13, 10/
Sale, Meh
Turns Depth fms.
Sas, Cup Amt. Bot'm Sample
Character of // Bottom
(Make (Instr.
Thermom. No. Cor'n Stem.
Bottom Reading f
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Temp. Surf.
Density: Surf fms
Wind: Direction 7737 Force
Baromet. Amt. of State of Sea
Weather
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Direction and Force Surface
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General Locality
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Chart used: No. CS ST3 > Ed'n -
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Depth of Haul Joine
Apparatus and Rigused
Time towing
Remarks: Water Goth med
Remarks:

Deck Officer Vir, Mithig Recorder ...

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Hydrog No Date,
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Sdg. Cup Amt. Bot'm Sample
Character of A. N. Boltom
Thermon Make (Instr.
Thermom. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Bottom Reading Cor'd Temp. 53.85
m h , / l , n , / l , t
Temp. Surf. Time Air
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Density: Surf fms
Wind: Direction 715 W Force 1-2
Baromet, 30.25 Amt. of 10 State of Sea
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1.51
Position
Chart used: No. CS SS Ed'n
Drift: Direction Distance.
Depth of Haul Anti-
Apparatus and Rigused (
Remarks: Waterbothe using 11. m.
Remarks: If alerto-olde and

Deck Officer 1 1 . .

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Hydrog S No. Date, ,19
Sag. Meh. Shot Lead Ibs.
Turns Depth Depth fms.
Sag. Cup  Amt. Bot'm Sample
Character of Bottom
(Make / / (Instr.
Thermon. \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Bottom Reading 53.8' Cor'd Temp. 53.73
Temp. Surf. \\ \frac{\int J \cdot \eta \cdot \int \text{Time } \int \int \int \text{3. \left\ \text{7.}} \\ \text{Time} \\ \te
Density: Surf. fms.
Wind: Direction Calm Force O
Baromet. 30 Amt. of // State of Condes
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Direction and Force Surface of Current.  Rattom
para . A
Tide
General Locality  Position  Chart used: No. CS SS Rd'n  Drift: Direction Distance  Depth of Haul  Apparatus and Ris used  Time towing h. m.
Hemarks:

Deck Officer Mr. Kecorder (11-1023

Druder No. 49.14 Date, Feb 13 , 19/2
Sag. Meh. Kanel Lines Reet Leads 24 1bs.
Turns Cor'n Depth & /2 fms.
Salg, Cup Amt, Bot'm Sample
Character of Bottom
Thermon. {Make 1.3 Cor'n {Instr. Stem.
Bottom Reading 53, 6 Cor'd Temp. 5353
Temp. Surf. 53.7 Time 43.21.30 Air 3.45
Density: Surf fms
Wind: Direction Com Y & Force 6-1
Baromet. 30.33 Amt. of State of Sea.
Weather &
Direction and Force $Surface$
Tidr.
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General Locality
Position
Chart used: No. Ed'n
Drift: Direction Distance
Depth of Haul
Apparatus and Rig used
Time towing
Remarks: Mathe Lotte and de

Deck Officer 700 9 1200 Recorder

J. B. William

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Sdg. Meh., see seed Lead!	1bs.
Turns Cor'n Depth 12	fms.
Sd.g. Cup Amt. Bot'm Sample Character of Bottom	
Thermom. No. 69479 Cor'n Stem.	
Bottom Reading 53,7 Cor'd Temp. 53,6	43
Temp. Surf. Surf. Time Link.	
Density: Surf. fms.	
Wind: Direction S. Ch. Force	
Buromet. 30.4 2 Amt. of State of Sea. Sea.	-
Weather Ac	
Direction and Force $Surface$ of Current. $Bottom$	,
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Chart used: No. Ed'n	
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Apparatus and Rig used	
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Sdg. Cup Amt. Bot'm Sample	
Character of Bottom	
Thermon. \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Bottom Reading 53.63 Cor'd Temp. 53.63	
Temp. Surf. {   Time     Air   Air	
Density: Surf. fms.	
Wind: Direction 2 1	
Baromet. 3 5.42 Amt. of 9 t. 7 State of -	
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Chart used: No. Ed'n	
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Remarks: 10 . 10 . 10	
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Hydrog 3 No. 4977 Date, 111 15	, 19/2
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Turns Cor'n Depth	fms.
Sd & Cup Amt. Bot'm Sample	
Character of Bottom	
Thermon. \\ \No. 6947. \Corn\{\stem.}\stem.	
Bottom Reading 5-3,90 Cor'd Temp. 53	.83
Temp. Surf. 53.73 Time 2;30:30 Air	no no no giù per ay ay gar gan lass
Density: Surf. fms.	
Wind: Direction National Force 172	
Baromet. 30.41 Amt. of State of Sea	
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Direction and Force Surface of Current.	
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Drift: Direction Distance	
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Apparatus and Rigused 1 1 2 1 1	
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Bred 10 1978 Date, 7 15 15 , 191.
Sale Meh. He Reet Shat Leads Us.
Turns Cor'n Depth 4 3/4 fms
Sdg. Cup Amt. Bot'm Sample
Character of Bottom
Thermon. Make 21.5 Cor'n Instr.
Bottom Reading 5-4 ° Cor'd Temp. 53.93
Temp. Surf. Signature 2:49 Time 2:49 Air
Density: Surf. fms.
Wind: Direction L.W. Force 3
Baromet. 30. 4 Amt. of State of Sea 2
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General Locality
Position
Chart used: No Ed'n
Drift: Direction Distance
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Apparatus and Rigused Qialet
Time towing h. m.
Remarks: Strong Al tide

SOUNDING WIRE.		DREDGING CAB	LE.
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	Hydrog S. No. 4777 Date, The 15 1912
	Sd.g. Meh. South West . Shot Lead Us.
	Turns 6 fms.
	Sd.g. Cup Amt. Bot'm Sample Character of Boltom
	Thermon. \\ No. 6947.9 Cor'n \\ Stem.
	Bottom Reading 37 Cor'd Temp. 53.93
	Temp. Surf. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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	Baromet, 30.39 Amt. of State of Sea S.
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	Direction and Force Surface Bottom
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	Apparatus and Rig used - Worter -
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1	Time towing $h, m$ .  Temarks: $\frac{1}{2} \left( \frac{1}{2} \right) \left( \frac{1}{2} \right)$

Deck Officer 1997 1997 | Recorder 11-108

11-1023		************		
SOUNDING WIRE.	773765	DREDGING CABLE.		
PM. DOWN. UP. PM.	FMS.	M. Down.	UP.	_ M.
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Hydros No. 47 D	ate.	700		46.11
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Turns Cor'n	Amt. Bo		5-1/4	fms.
Sdg, Cup Character of Ballom	San	nple		
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Thermom.	Cor	$n$ $\begin{cases} Instr. \\ Stem. \end{cases}$		
Bottom Reading 5-40	00° 00° 00° 00° 00° 00° 00° 00° 00° 00°		пр. 53.	93
	ie 315-	Z}	fir	
Density: Surf.		fm	S.	
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Weather Le		~~~~	is all all the last the last the last and and and any	
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Chart used: No	Ed'n.	and that the first that that the state and the same that the state of		
Drift: Direction		Distanc	r	
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Apparatus and Rig used _ U.a.	ter			
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Remarks: 12 1	· · · · ·			

SOUNDING WIRE.		DRED	HING CA	BLE.
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Sd.g. Cup Amt. Bot'm Sample
Character of Bottom
(Maker   (Instr.
Thomas de la contra del la contra de la contra del la contra del la contra del la contra de la contra del la con
No. 5. 1 Stem.
Bottom Reading ! Cor'd Temp. 5 4.03 .
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Temp. Surf. Air
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Density: Surffms.
C
Wind: Direction S Force
Euromet. 30.34 Amt. of State of Sea
Weather
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of Current.
Bottom
Tide
General Locality
Position
Chart used: No
Drift: Direction Distance
Depth of Haul
Apparatus and Rigused ( ) ( ) ( ) ( ) ( ) ( ) $1 + \cdots + 0$ ( )
Time towing $h$ , $m$ .
Remarks:

Dredge No. / / Dat	e,	9
Sag. Meh. J. Committee	reel Lead	lbs.
Turns Cor'n		fms.
Sag. Cup  Character of Bottom	Amt. Bot'm Sample	
$Thermom. \begin{cases} Make \end{cases}$ .	$Cor'n egin{cases} Instr. \\ Stom. \end{cases}$	
Bottom Reading	Cor'd Temp.	
Time  Temp, Surf.  5/183  Time  Density: Surf.	9:45 dir 5-7,	***
Wind: Direction Tanal	Le Force 0-1	
Baromet. 30:43 Amt. of Clouds	State of S.	
Weather 2 .		
Direction and Force Surface		
Tide		
General Locality		
Position		
Ohart used : No.	Ed'n	
Drift: Direction	Distance	
Depth of Haut Botton	A.	
Apparatus and Rigused	January Land	· ·
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1	Time towing h.	m.
Remarks:		

Deck Officer Tree Records

Recorder ( 110-100)

Dredge   No     I	pate,
Sdg. Mch.	Reel Shot Lead 1bs.
Turns Cor'n	Ant. Both (9-3/4)
Sag. Cup	Ant. Bot'm (7 14) Sample
Thermom. $\left\{ egin{array}{l} Make \\ No. \end{array}  ight.$	$Cor'n$ $\begin{cases} Instr. \\ Stem. \end{cases}$
Bottom Reading	Cor'd Temp,
Temp. Surf. Tin	/ / lir
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General Locality	
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Apparatus and Rig used	The state of state
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Remarks:	ied 7 in.
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Dredge No Dat	19/
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Turns Cor'n	Depth 1,0 - fms.
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Character of Craine	rand.
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Bottom Reading	Stem.  Cor'd Temp.
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Baromet. 2 = Amt. of Clouds	8 State of S
Weather /-c	
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Direction and Force Surface	
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General Locality	
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Chart used: No.	Ed'n
Drift: Direction	Distance
Depth of Haut Botto	m
Apparatus and Rig used	- Cure inti,
The state of the state of	Ita., Lucyou ly
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	Time towing $h, = m$ .
Remarks:	

Deck Officer ....

Recorder ( , ( ) ( ) 1-1023

SOUNDING 3	WIRE.	FMS.		DREDGING CABLE.
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Bredge So. 5-71	Jan. Date	·	16	, 19 / 4
Sag. Meh. Though	Line 1 1	eel	Shot: Lead?	lhs.
Turns	Cor'n	De7.	th 17 6	forts fms.
Sdg. Cup		Amt. Bot'm Sample	much !	and
Character of Bottom				
Thermom.	P1.56.1	('an's) Ins	tr.	
No.	-	Ste	m.	
Bottom Reading		Cor	'd Temp.	
1	Time	130 P	1 1	15-11-2
Temp. Surf.	Time	2:187	Air	3-5-0
Density: Surf.			/ms.	
Wind: Direction	l.OV.	Force	3	~~~~~~~~~~~
Baromet, 30.34	Amt. of Clouds	7	State of Sea	
Weather fre				
Direction and Force of Current.	Surface Bottom			
Tide				
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General Locality				
Position				
Chart used: No.		Ed'n		
Drift: Direction		L	istance	
Depth of Haul	ttom			
Apparatus and Rig u	sed 4 /		6 22 1 10000	
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,	•	Time towing	: /.	1.28 Cm.
Remarks:				

Deck Officer 20 1. Jan . Recorder Startie

Dreeter No. 476 Date, 20 19/2
Sde. Meh. Led ban Aft nech. Shot 24 168.
Turns Cor'n Depth fms.  Sdg. Cup Amt. Bot'm Sample Character of 544 79
Sdg. Cup Amt. Bot'm Sample
Character of SH III
713
Thermon: \{\sum_{No.} \langle \cdot
Rottom Reading 54.13
54.2 Time 11:48 A (650
Temp. Surf.   54.2 Time   1:48.4   4ir   54.03
Wind: Direction Variable Porce  Baromet. 25. 25 Amt. of State of Sea
Wind: Direction
Baromet. Clouds Sea
Weather
Direction and Force $Surface$ of Current. $Battom$
Tide .
General Locality Co. Pr
the bearing
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Chart used: No. Comment Edin
Drift: Direction Distance
Depth of Haul Inter
Apparatus and Rigused 7 - 12
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Remarks:
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Deck Officer ( ) Recorder

SOUNDING WIRE.	777.50	DREDGING CA	BLE.
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Hydrog No. 10 ) Date, FE 19 19
Salg. Meh. L. china Aft Reet Short 2-4 lbs.
Turns Cor'n Depth fms.
Side, Cup Amt. Bot'm Sample Character of St. T.
Thermom. (Make 147 Cor'n) Stem.
Temp. Surf. Time
Density: Surf. fms.
Wind: Direction West Porce 9
Baramet. 37 2 Amt. of 2 State of Sen
Weather
Direction and Force $\{Surface of Current.\}$
Tide T
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General Locality San Path Bay
(To Contract, 1 to E'- 2
Position ( '
Chart used: No. CS SSEZ Ed'n
Drift: Direction Distance
Depth of Haut Inte.
Apparatus and Ris used & Inter. with 3
Chair, a horas
Time towing h. 10 m.
Remarks: 1. 10 m.

Recorder

11-1023

Deck Officer . . Cherry

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Sdg. Mch. Reel Short Loud! ths.
Turns Cor'n Depth ? fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom Ty
Thermon. $\begin{cases} Make & \\ No. & \\ Cor'n \end{cases} \begin{cases} Instr. \\ Stem. \end{cases}$
Bottom Reading 54.8° Cor'd Temp. 54.73
Temp. Surf. Time 146 17 Air
Density: Surffms.
Wind: Direction West Force
Baromet. 25 . 14 Amt. of State of Sea
Weather -
Surface
Direction and Force of Current.
Tide Tile
General Locality Som / Till Par
(Coming Fifteen I'm to him
Position ( 185 - 19 )
Chart used: No. SS. 23 Ed'n
Drift: Direction
Depth of Haul Solom
Apparatus and Rigused
B bofine
/ .
Time towing h. 3 m.
Remarks: Waterbottle man

11-1023 SOUNDING WIRE.		DREDGING CABLE.					
M. Down, Up. M.	FMS.			Dows.			
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heratice No. 19 Pate, Fee 20 ,19/2.
Sug. Mehr Leadhin aft Reel Boot Lead 16s.
Turns Cor'n Depth fms.
Sd g. Cup Amt. Bot'm Sample
Character of Bottom
Thermon. \{\begin{aligned} Make \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Bottom Reading 54.90 Cor'd Temp. 54.83
Temp. Surf. SS. 43 Time 2:23 \$\frac{\partial}{2}\$ Air
Density: Surf. fms.
Wind: Direction SSW Force
Baromet. Co. 21 Amt. of State of Sea
Weather
(Surface
Direction and Force Surface of Current. Bottom
Tide_ Flors
General Locality San Page Bory
( in the interest of the inter
Position Point Pringle & 43 7
Chart used: No. 200 Ed'n
Drift: Direction Distance
Depth of Haul Sn. L.
Apparatus and Rio used
Time towing h. m.
/
Remarks:

corder (11-4023

Side, Mech Reel Short / 1bs.  Tarns Cor'n Depth fms.  Side, Cup Amt. Bot'm Sample	Dredige (No. Bate, 77 ) 19/2
Side, Cup  Amt. Bot'm Sample  Character of No. 59479. Cor'n  Stem.  Bottom Reading 54.8° Cor'd Temp. 54.73  Temp. Surf.  Time 2:084.  Time 3:084.  Time 3:084.  Time 3:084.  Time 55.73  Time Force  Buromet. 30 3 Amt. of 4 State of 8  Sea Weather  Direction and Force Surface of Ourrent.  Tide Flat  Chart used: No. CS NT3 Ed'n  Drift: Direction  Depth of Haul Inter  Imparatus and Rig used  Time towing h. 17 m.	are with the state of the Shott 24 the
Character of Notion  Thermon. \{ \begin{align*} Make \ No. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Thermom Make No. 19979. Corn Stem.  Bottom Reading St. 8° Cord Temp. 54.73  Temp. Surf. Time 2:004. Air St. 13  Density: Surf. Porce O. Maronet. 20.34 Amt. of State of St. 13  Wind: Direction Colours Sca State of St. 13  Weather Tide. Floation  Tide. Floation  General Locality San Pales Para Position  Other tused: No. CS NT3 Edn.  Drift: Direction  Depth of Haut Inter.  Imparatus and Riccused Inter. 2 2 Mofre.  Time towing h. 17 m.	Sdg, Cup Amt. Bot'm Sample
Thermon No. 69977. Cor'n Stem.  Bottom Reading 57.8° Cor'd Temp. 54.73  Temp. Surf. Time 2:084.  Temp. Surf. Jime 3:084.  Time 5.4.  Time 5	Character of Hottom
Time 3:0845. Air Time 3:0845. Air Time 555.73 Time 555.73 Time 575.73 Time 555.73 Time 575.73 Time 575	Thermom: Cor'n
Time Mir Surf.  Density: Surf.  Wind: Direction Cata Force S  Ruromet. 30.34 Amt. of State of S  Ruromet. To Surface S  Direction and Force Surface For Surface S  For Surface	
Wind: Direction Cata Force D  Baromet. 30.34 Amt. of State of S  Weather Sea Surface Of Clouds Force State Surface Of Clouds Force State Surface Of Clouds Force State State State State Surface Of Clouds Force State State State State State Surface Of Clouds Force State S	Temp. Surf.
Weather  Direction and Porce Surface of Current.  Flat Surface	0.1
Weather Burface  Direction and Porce Surface of Ourrent.  Fide Floridam  Tide Floridam  Fine Coality Son Pack Page  Chart used: No. CS NT3 Ed'n  Drift: Direction  Depth of Haut Inter-  Imparatus and Riv used  Time towing h. 12 m.	Wind: Direction Force
Direction and Force Surface of Current.  Buttom  Tide Florida  General Locality Sm Florida  Position  Chart used: No. CS III But no Distance  Depth of Haut Inter-  Imparatus and Rigiused  Time towing h. 12 m.	Baromet. Clouds ! Sea
Tide Floring Force (Bottom)  Tide Floring Force (Bottom)  General Locality Son Pa 66 Page (Bottom)  Position (Chart used: No. C. S. VIII) Ed'n  Distance Depth of Haut International Riversed (Chart used)  Imparatus and Riversed (Charter & 2 Toff)  Time towing h. 12 m.	Weather
Tide Floring Force (Bottom)  Tide Floring Force (Bottom)  General Locality Son Pa 66 Page (Bottom)  Position (Chart used: No. C. S. VIII) Ed'n  Distance Depth of Haut International Riversed (Chart used)  Imparatus and Riversed (Charter & 2 Toff)  Time towing h. 12 m.	**************************************
General Locality Son Pales Properties of Pales Properties of Mart used: No. CS ST3 Bd'n  Depth of Haut Internation  Imparatus and Ric used  Time towing h. 12 m.	of Current.
Position Chart used: No. CS NT33 Ed'n Drift: Direction Depth of Haut Inter Apparatus and Rigused Time towing h. 12 m.	
Depth of Haut Inter.  Ipparatus and Rigused 1 Inter. & 2 Mofring.  Time towing 1.12 m.	Position ( )
Apparatus and Riversed 1 Late. 22 Metric.	
Time towing	Depth of Haul Latter
-1	Apparatus and Rigused 1' Inter & 2 Metrice
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11—1023					
SOUNDING WIRE.	PMS.		EDGIN		
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Hydrogs vo. Volat. Date, 766	
Sdg. Meh Reel Short 2 1/2 Us.	
Turns Cor'n Depth 6 fms.	
Sd.g. Cup Amt. Bot'm Sample	
Character of 77 Boltom	
Thermon. Make // . Cor'n Instr.	
Bottom Reading 54. 7 Cor'd Temp. 54.83	
Temp. Surf. Time J. J. Air	
Density: Surf. fms.	
Wind: Direction Cala Force O	
Buramet. 3.3/ Amt. of \( \mathcal{L} \) State of \( \Sea. \)	
Weather	
Direction and Force Surface  Of Current.	
DUUUNB waanaanaanaanaanaanaanaanaanaanaanaanaan	
Tide	
General Locality	
$\eta_i(\lambda_i)$ , $\gamma_i = 0$ , $\gamma_i = 1$	
Position Porother H S25W	
Chart used: No. CS JJ33 Ed'n.	
Drift: Direction Distance	
Depth of Haul	
Apparatus and Rig used	
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Remarks: 16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

Deck Officer V. C. 1 Recorder 11-1023

11-1023					
SOUNDING WIRE. FMS.		DREDGING CABLE.			
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Sdg. Mehre Lead Short Leads 2. (	lbs.
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Sdg. Cup Amt. Bot'm Sample	
Character of Gy. Sand	der des son siè au
(Make Missing (Instr.	
Thermom. \ No. 69479 Cor'n \ Stem.	
Bottom Reading 54.7 Cor'd Temp. 54.63	
5413 min 1012 A	
Temp. Surf. 54.2 Time 0.351 Air 58	
Density: Surf. fms.	
Wind: Direction West Force 3 - 4	
Baromet. L. 1 . Amt. of State of S	
Weather 1-0	
Direction and Wome Surface	
Direction and Force of Current.	
Tide	
General Locality	
Position	
Chart used: No Ed'n	
Drift: Direction Distance	
Depth of Haul In Cin	
Apparatus and Rigused	10
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Time towingh,	m,
Remarks: " olle used on o our our	m.
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Deck Officer Time

11—1023		
SOUNDING WIRE.	FMS.	DREDGING CABLE.
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Hydrog No. Date,
Sd.g. Meh. Short Leads ths.
Turns Cor'n Depth fms.
Sag, Cup Amt. Bot'm Sample
Character of Bottom
Thermon. \{\text{Nake} \times \text{V} \\ \text{No.} \\ \text{1} \\ \text{No.} \\ \text{Stem.} \end{array}
Bottom Reading 5'4/, Cor'd Temp. 54.63
Temp. Surf. S4:5 Time ////// Air
Density: Surf. fms.
Wind: Direction W. W. Force 3.
Baromet, 30 Amt. of State of Sca
Weather LC
Direction and Force Surface of Current.
Tide
General Locality
Position
Chart used: No Ed'n
Drift: Direction Distance
Depth of Haul Inter
Apparatus and Rigused L' Inter 1 275 John
1120+1112 med Resp.
1
Time towing h. 16 m.
Remarks:
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11-1023	7		
SOUNDING WIRE.	FMS.	DREDGING CABLE.	
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Dretti No. ( Date, J. 191's Hydrog No. ( Date, J. Hood ) 191's Sag. Meh. Hand line of Reet Least 1 165.
Turns Cor'n Depth 6 14 fms.
Sd. Cup Amt. Bot'm Sample
Character of Bottom
Thermon. \\ \( \lambda \) \( \
Bottom Reading J. Cor'd Temp. 54.43
Temp. Surf \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Density: Surf. fms.
Wind: Direction ( ) Force
Baramel. 36.2 4 Amt. of & State of S.
Weather An.
Direction and Force $\left. egin{array}{l} Surface \\ of Current. \end{array} \right _{Bottom}$
Tide
General Locality
Position
Chart used: No. Ed'n
Drift: Direction Distance
Depth of Haul Arter
Apparatus and Ris wed
Product part (
Remarks ( ) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Deck Officer fine.

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SOUNDING WIRE.		7277	TOTAL	(1 (1A T)	T 13
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	le, 21, 15 1, 19/
Salg. Meh. L. 1 / 1 /	heeft Short 2 1 lbs.
Turns Cor'n	Depthfms.
Sd.g. Cup	Amt. Bot'm Sample
Character of Bottom	
Thermon. \ \ No. 69479	Cor'n { Instr
Bottom Reading 200	Cor'd Temp.
Temp. Surf. Time	} .lir{
Density: Surf.	. fms.
Wind: Direction	Force
Raromet, Amt. of Clouds	State of Sea
Weather	
Direction and Force Surface	
Tide	
General Locality	
Position	
Chart used: No.	Ed'n
Drift: Direction	Distance
Depth of Haul	
Apparatus and Rigused 4 1	der. 12 Kro. d.
1/20+ 1/2 much.	
	Time towing $h$ , $G$ $m$ .
Remarks:	Arutai -

Deck Officer Recorder \ (1-102)

Indice No. 4/10 h Date, Fe 19/5	).
See Make of Care of a Street Street 2 6	
Turns Cor'n Depth / 2 fms.	
Sd.c. Cun	
Turns Cor'n Depth / V fms.  Sdg. Cup Sample  Character of Str. J. T	
Thermon. {Make	
Bottom Reading Cor'd Temp. 54.93	
Temp. Surf. Time   dir	
Density: Surf fms.	
Wind: Direction WSW Force S.	
Baromet, Co. Conds State of Sea	
Weather Ze	
Direction and Force Surface of Current.	
Tide Flory	
General Locality	
Chart used: No Ed'n	
Derift: Direction Distance  Depth of Haut Trate	
Apparatus and Rig used 7774 UI R. 3 775 1.	
for the second was a second with the second was a second	
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Time towing h. 13 m.	
Remarks: 71.2	
Deck Officer Recorder 11-1023	

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Dredge No. Date, FC 1. Co Reel Sdg. Meh. dor Depth .... Cor'n ..... Amt. Bot'm Sample Sdg. Cup .... Character of Bottom Make 13 Cor'n  $\begin{cases} Instr. \\ Stem \end{cases}$ 69479. Bottom Reading .... Cor'd Temp. 54.2 Time /: 4) 1202 Air Time Density: Surf fms. WSW Force 3 Wind: Direction .. Baromet ? O. 14 Amt. of & Direction and Force Surface of Current. General Locality . .... Smillen . 3 ... - 17 16 = -Position be Sir it - L. T. Res Bi Chart used: No. CS ST32 Ed'n Drift: Direction Distance Denth of Haul Inster " V. Apparatus and Rig used Time towing 11. 6 m.

Class Cy Recorder

11-1023 SOUNDING WIRE. DREDGING CABLE. FMS. M. Down, UP. C. M. M. Down. Up. . .M. 3730 / () 

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Hydron No. 18th Date, Fet. 9 , 19/1
Salg. Meh. Reel Heart 10s.
Turns Cor'n Depth . / Cor's
Sdg. Cup Amt. Bot'm Sample Character of Bottom
Thermon. {  No. Cor'n {  Stem.  Cor'd Temp.  Temp. Surf. {  Time.
Bottom Reading 04. / Cor'd Temp.
54.63
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Direction and Force Surface of Current. Bottom
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General Locality
(Same Gratile 1823 A Blood
Position Sant Pt. San Line
Chart used: No. CS 553 2 Rd'n
Drift: Direction Distance.
Depth of Haul
Apparatus and Rigused & Invert 2 3 Property
Time towing n. 109 m.

Deck Officer Mr. Charles Recorder 11 11 1003

SOUNDING WIRE,	777 FC1	DREDGING CAB	LE.
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Turns Cor'n Depth 22 fms.
Sdg. CupAmt. Bot'm Sample
Character of Symptotic States of Sta
Thermon. Make N Cor'n Instr. No. 69479 Cor'n Stem.  Bottom Reading St. 10 Cor'd Temp. 54.03
Bottom Reading St. 10 Cor'd Temp. 54.03
Temp. Surf. Time 12: 20 3 . Iir
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Wind: Direction Net Force 4  Baromet, 30.13 Ant. of 8 State of Seal
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title
C E 10 10
General Escality A. Formisco 12.
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Chart used: No. Comments Ed'n
Drift: Direction Distance .
Depth of Haul
Ipparatus and Rigused 2 min. 1 1
Time towing
temarks: Vist 1 31 - 1

Dock Officer Trans

Depth Amt. Bot'm Sample Sdg. Cup Time 3:08 Tide Sink General Locality San Formisco Chart used: No. 65 532 Edin Drift: Direction Distance Depth of Haul Apparatus and Rig used Time towing 11: 05. 1.7

Deck Officer Mit Stanley Recorder 11-1023

SOUNDING WIRE.	777.5.4	DREDGING CABLE.		
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Sdg. Cup Character of Bottom	Amt. Bot'm Sample	
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Weather L		
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Tide		
proposition less	The same of the sa	
General Locality		
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Apparatus and Rig used	1. 4:11.6 1.4	" " P. 1 !
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111025						
SOUNDING WIRE.	773.5.1	DREDGI	NG CABLE.			
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Hydrog No. 500 V Date, 1.eby 23,1912 Sag. Mch. Handled off Reel State Turns Cor'n Depth fms. Sag. Cup Amt. Bot'm Sample Character of Bottom
sag. Men. Handlesdaft Reel Story 2 4 ws.
Turns Cor'n Depth fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom
Thermon. {Make Make Cor'n {Instr. Stem.
Bottom Reading 54.7 Cor'd Temp. 54.63
S4. 9 min 12:50 P.
Temp. Surf.   St. 9 Time   2.150P   Air   54.73
Density: Surf
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Baromet. 30116 Amt. of / State of C
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Direction and Force $Surface$ $Surface$ $Bottom$
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The succession and the succession of the success
General Locality
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Chart used: No Ed'n.
Drift: Direction Distance
Depth of Haul John
Depth of Haut Ite. Apparatus and Rigused 4 Inter. + 2 % ofords.
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A
Remarks: Well-tille pack n. I m.
P
Deck Officer MY! Danch Recorder A W JA023

San 30 - Dr. S Dr. K.

Feb 1 - "
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